

RESPONSE UNDER 37 CFR 1.116

Appl. No. 09/752,664

Amendment dated June 22, 2004

Reply to Office Action mailed April 22, 2004

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims (deleted text being struck through and added text being underlined):

- 1 1. (Currently Amended) A system for providing extended
2 functionality for a Home Audio Video Interoperability (HAVi)
3 compatible device, the HAVi compatible device being connectable
4 to a HAVi network, the extended functionality defined by control
5 data stored on a remote server external to the HAVi network, the
6 remote server being connected to an external network, the external
7 network comprising a network external to the HAVi network,
8 comprising:
9 an external network connection device for providing data
10 communications between the HAVi network and the remote server;
11 the external network connection device connectable to the external
12 network; the external network connection device for receiving the
13 control data;
14 a control module for providing the extended functionality for
15 the HAVi compatible device based on the control data; and
16 wherein the HAVi compatible device comprises a disk player
17 not having built in ability for presenting content information for a
18 disk inserted into the disk player, and wherein the control data is
19 for presenting content information about content on the disk to the
20 user.
- 1 2. (Original) The system of claim 1 wherein the control
2 module comprises a functional control module.

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1 3. (Original) The system of claim 2 wherein the control
2 module further comprises a device control module.

1 4. (Original) The system of claim 3 wherein the device control
2 module comprises a processor connected to the HAVi network, the
3 processor having a memory module for storing the device control
4 module; the processor further comprising the external network
5 connection device.

1 5. (Original) The system of claim 4 wherein the processor is
2 for presenting the device control module to a user of the HAVi
3 network for providing the user with the capability of controlling the
4 HAVi compatible device with the extended functionality.

1 6. (Original) The system of claim 1 wherein the HAVi
2 compatible device comprises a legacy device wherein the extended
3 functionality is for causing the HAVi compatible device to function
4 as a contemporary device with respect to a user of the HAVi
5 network.

1 7. (Previously Presented) The system of claim 1 wherein the
2 disk player of the HAVi compatible device comprises a compact
3 disk player not having built in ability for presenting artist and song
4 information for a compact disk inserted into the compact disk
5 player, and wherein the content information comprises artist and
6 song information for the compact disk.

1 8. (Original) The system of claim 7 wherein the control data
2 comprises artist and song information matched to one or more
3 identification codes read from the compact disk such that the artist
4 and song information may be presented to the user for selection.

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1 9. (Previously Presented) A system comprising a first usable
2 device comprising one of a plurality of usable devices capable of
3 being connected to a local network, each usable device being
4 capable of receiving commands from a user of the local network:
5 an external network connection device for providing data
6 communications between the local network and a remote server
7 connected to an external network, the external network connection
8 device connectable to the external network, the external network
9 connection device for receiving control data from the remote server,
10 the control data defining extended functionality for a first of the
11 one or more of the plurality of usable devices; and
12 a control module for providing the extended functionality for
13 the first usable device based on the control data;
14 wherein the control data comprises content information
15 retrieved from the remote server about content stored on a medium
16 located on the first usable device, the extended functionality
17 comprising a capability of the first usable device to present the
18 content information on the first usable device.

1 10. (Original) The system of claim 9 wherein a second of the
2 plurality of usable devices comprises a processor having a device
3 control module.

1 11. (Original) The system of claim 10 wherein the device
2 control module comprises a first functional control module, the
3 device control module for presenting the extended functionality to a
4 user of the processor for controlling the first usable device, thereby
5 allowing the user to use the extended functionality.

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1 12. (Original) The system of claim 10 wherein the extended
2 functionality comprises a plurality of extended functions for
3 controlling the first usable device; two or more device control
4 modules each comprising a plurality of functional control modules,
5 each functional control module comprising a subset of the plurality
6 of extended functions, the plurality of usable devices comprising
7 two or more processors, each of the device control modules for
8 presenting selectively to one of the two or more processors, thereby
9 allowing a user of each of the two or more processors to control the
10 first device based on the respective subset of extended functions of
11 the respective functional control modules of the device control
12 module presented to the respective processor.

1 13. (Currently Amended) A method for providing extended
2 functionality for a Home Audio Video Interoperability (HAVi)
3 compatible device, the HAVi compatible device being connectable
4 to a HAVi network, the extended functionality defined by control
5 data stored on a remote server external to the HAVi network, the
6 remote server being connected to an external network, the external
7 network comprising a network external to the HAVi network, the
8 method comprising the steps of:
9 providing data communications between the HAVi network and
10 the remote server;
11 receiving the control data from the remote server;
12 providing the extended functionality for the HAVi compatible
13 device based on the control data;
14 wherein the HAVi compatible device comprises a legacy
15 device wherein the extended functionality is for causing the HAVi
16 compatible device to function as a contemporary device with respect
17 to a user of the HAVi network; and

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18 wherein the HAVi compatible device comprises a compact disk
19 player not having built in ability for presenting artist and song
20 information for a compact disk inserted into the compact disk
21 player, and wherein the control data is for presenting artist and song
22 information for the compact disk to the user.

1 14. (Original) The method of claim 13 comprising providing
2 the user with the capability of controlling the HAVi compatible
3 device with the extended functionality.

15. (Cancelled)

16. (Cancelled)

1 17. (Previously Presented) The method of claim 13
2 comprising reading one or more identification codes from the
3 compact disk and matching the one or more identification codes
4 with the control data to present the artist and song information such
5 that the artist and song information may be presented to the user for
6 selection based on the identification code.

1 18. (Previously Presented) The method of claim 13 further
2 comprising:
3 reading an identification code from the compact disk by the legacy
4 device;
5 providing the identification code to a control module for the legacy
6 device;
7 forwarding the identification code to the remote server;
8 matching the identification code from the compact disk to an
9 identification code in a control data record on the remote server;
10 transmitting artist and song information for the compact disk from
11 the control data record to the control module; and

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12 presenting the artist and song information to the user.

1 19. (Previously Presented) The system of claim 1 wherein the
2 control module comprises a functional control module and further
3 comprises a device control module;

4 wherein the device control module comprises a processor
5 connected to the HAVi network, the processor having a memory
6 module for storing the device control module; the processor further
7 comprising the external network connection device, the processor
8 being for presenting the device control module to a user of the
9 HAVi network for providing the user with the capability of
10 controlling the HAVi compatible device with the extended
11 functionality;

12 wherein the HAVi compatible device comprises a legacy
13 device wherein the extended functionality is for causing the HAVi
14 compatible device to function as a contemporary device with respect
15 to a user of the HAVi network;

16 wherein the disk player of the HAVi compatible device
17 comprises a compact disk player not having built in ability for
18 presenting artist and song information for a compact disk inserted
19 into the compact disk player, and wherein the content information
20 comprises artist and song information for the compact disk; and

21 wherein the control data comprises artist and song information
22 matched to one or more identification codes read from the compact
23 disk such that the artist and song information may be presented to
24 the user for selection.

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